



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
ATTY. DOCKET NO. 79115-31

In Patent Application of RAYMOND K. ORR ET AL

Serial No. 10/733,322

Group Art Unit: 2631

Filed: DECEMBER 12, 2003

Examiner:

For: DIGITAL PULSE MODULATION ARRANGEMENTS

INFORMATION DISCLOSURE STATEMENT

This Information Disclosure Statement is being filed in the manner prescribed by 37 CFR 1.97(b) - (d) to satisfy the duty under 37 CFR 1.56 to disclose to the Office information, known to individuals associated with the filing and prosecution of the subject application, which is material to the examination of the application.

In accordance with 37 CFR 1.97(g) and (h), this statement is not to be construed as a representation that a search has been made or an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 CFR 1.56(b).

This information disclosure statement is being filed within three months of the filing date of a national application, within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; or before the mailing date of a first official action on the merits and therefore applicant respectfully requests consideration under 37 CFR 1.97(b).

In accordance with 37 CFR 1.97(e), I hereby certify that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.

In compliance with 37 CFR 1.98(a)(1), a list of all patents, publications or other information submitted for consideration by the Office is hereby provided by way of the attached Form PTO 1449.

In compliance with 37 CFR 1.98(a)(2), also enclosed is a legible copy of:

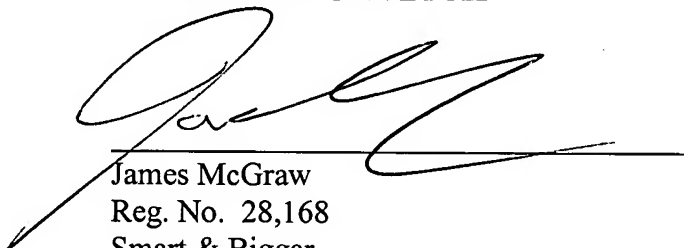
- i) each United States and foreign patent;
- ii) each publication or that portion which caused it to be listed; and
- iii) all other information or that portion which caused it to be listed, excluding any copies of a United States patent application.

It is respectfully requested that the information be expressly considered by the Examiner and that the references be made of record and appear among the "References Cited" on any patent to issue therefrom.

The Patent Office is hereby authorized to charge any deficiency, or credit any overpayment in fees to Deposit Account Number 19-2550.

Respectfully submitted,

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Dated: April 30, 2004

Encls.: Form PTO-1449
All references listed on Form PTO-1449
PCT Search Report
Acknowledgement Card

JMc/wfs



Form PTO-1449 (Modified) LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	Atty. Docket No. 79115-31	Serial No. 10/733,322
	Applicant RAYMOND K. ORR ET AL	
	Filing Date DEC. 12/03	Group 2631

REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

EXAM. INIT.		DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROPRIATE
	AA	4	7	2	3	1	1	4	2/2/88	D'ARRIGO ET AL	331	111	
	AB	5	0	7	0	3	1	1	12/3/91	NICOLAI	331	111	
	AC	5	6	9	9	0	2	4	12/16/97	MANLOVE ET AL	331	111	
	AD	5	9	9	0	7	5	3	11/23/99	DANSTROM ET AL	331	143	
	AE	6	1	8	1	1	2	3	1/30/01	JOU ET AL	323	351	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
													YES	NO
	AF	1	0	0	4	0	4	11	7/3/02	GERMANY	G05F	1/70		
	AG	02	1	6	5	4	5	0	7/6/02	JAPAN	H02M	3/28		
	AH	00	1	2	7	4	9	5	9/5/00	JAPAN	B41J	2/44		

OTHER ART (including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER		DATE CONSIDERED	

EXAMINER:

Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.